

Title (en)

HASH-BASED APPEARANCE SEARCH

Title (de)

SUCHE MIT HASH-BASIERTEM ERSCHINUNGSBILD

Title (fr)

RECHERCHE D'APPARENCE REPOSANT SUR UN HACHAGE

Publication

EP 3807782 A4 20220323 (EN)

Application

EP 19838072 A 20190607

Priority

- CA 3011713 A 20180717
- US 201816038034 A 20180717
- CA 2019050811 W 20190607

Abstract (en)

[origin: WO2020014770A1] Methods, systems, and techniques for performing a hash-based appearance search. A processor is used to obtain a hash vector that represents a search subject that is depicted in an image. The hash vector includes one or more hashes as a respective one or more components of the hash vector. The processor determines which one or more of the hashes satisfy a threshold criterion and which one or more of the components of the hash vector qualify as a scoring component. The one or more components that qualify correspond to a respective one or more hashes that satisfy the threshold criterion and that are represented in a scoring database that is generated based on different examples of a search target. The processor determines a score representing a similarity of the search subject to the different examples of the search target.

IPC 8 full level

G06F 16/532 (2019.01); **G06F 16/51** (2019.01); **G06N 3/04** (2006.01); **G06N 3/08** (2006.01); **G06V 10/25** (2022.01); **G06V 10/82** (2022.01)

CPC (source: EP US)

G06F 16/51 (2018.12 - EP US); **G06F 16/532** (2018.12 - EP); **G06F 18/2413** (2023.01 - EP); **G06N 3/045** (2023.01 - EP); **G06N 3/084** (2013.01 - EP); **G06V 10/25** (2022.01 - EP US); **G06V 10/82** (2022.01 - EP US)

Citation (search report)

- [A] US 2018157939 A1 20180607 - BUTT RICHARD [CA], et al
- [A] US 9043316 B1 20150526 - MURPHY-CHUTORIAN ERIK [US], et al
- [I] KAFAI MEHRAN ET AL: "Discrete Cosine Transform Locality-Sensitive Hashes for Face Retrieval", IEEE TRANSACTIONS ON MULTIMEDIA, IEEE, USA, vol. 16, no. 4, 1 June 2014 (2014-06-01), pages 1090 - 1103, XP011547935, ISSN: 1520-9210, [retrieved on 20140513], DOI: 10.1109/TMM.2014.2305633
- See references of WO 2020014770A1

Designated contracting state (EPC)

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